Claims

1. An arrangement for compensating the scattering of a
wavelength division multiplex signal (WDM_v),
characterized in that
the angle of incidence (α) of a light beam (LS)
transmitting the WDM signal (WDM_v) is changed relative to
the longitudinal axis (LA) of a Bragg filter (BG) and a
wavelength-dependent damping with variable gradient (m_0 -
m_4) is thereby achieved in the transmission range.

2. The arrangement as claimed in claim 1,
characterized in that
the Bragg filter (BG) is arranged in a fixed position and
that the angle of incidence (α) is variable by means of a
mirror (MR1) which is implemented as a
microelectromechanical system (MES1).

3. The arrangement as claimed in claim 1 or 2,
characterized in that
downstream of the Bragg filter (BG) there is connected a
further microelectromechanical system (MES2) by means of
which linear adjustment of the damping of the WDM signal
(WDM) was achieved.

4. The arrangement as claimed in claim 2 or 3,
characterized in that
two mirror-filter combinations (SBG1, SBG2) are connected
in series in functional terms.

5. The arrangement as claimed in one of the preceding
claims,
characterized in that
a control or regulating device (RE) measures the power of

at least two control signals or data signals of the WDM signal (WDM_0) or the total power of the WDM signal (WDM_0) and adjusts the scattering and/or damping by control of microelectromechanical systems (MES1, MES2).